

#### CLAIMS

1. A vaporizer characterized by comprising a spiral reaction tube to which a carrier gas into which a source solution consisting of a liquid or powder is dispersed is supplied from the upstream side, and a heater for heating and vaporizing the carrier gas into which the source solution is dispersed and which passes through the reaction tube by means of radiation heat.

2. The vaporizer according to claim 1, characterized in that the heater is arranged on the inside of the reaction tube.